Jean-Louis Hilbert

List of Publications by Year
in descending order

68 papers	2,936 citations	236925 25 h-index	175258 52 g-index
70 all docs	70 docs citations	70 times ranked	3244 citing authors

#	Article	IF	Citations
1	A Laminarin-Based Formulation Protects Wheat Against <i>Zymoseptoria tritici</i> via Direct Antifungal Activity and Elicitation of Host Defense-Related Genes. Plant Disease, 2022, 106, 1408-1418.	1.4	11
2	Chicory: Understanding the Effects and Effectors of This Functional Food. Nutrients, 2022, 14, 957.	4.1	14
3	Sesamolâ€based terpenoids as promising bioâ€sourced crop protection compounds against the wheat pathogen Zymoseptoria tritici. Pest Management Science, 2021, 77, 2403-2414.	3.4	3
4	Î³â€Lactamâ€Based Antifungal Compounds against the Wheat Pathogen Zymoseptoria tritici. Chemistry and Biodiversity, 2021, 18, e2100224.	2.1	1
5	MeJA Elicitation of Chicory Hairy Roots Promotes Efficient Increase of 3,5-diCQA Accumulation, a Potent Antioxidant and Antibacterial Molecule. Antibiotics, 2020, 9, 659.	3.7	8
6	A GDSL lipase-like from Ipomoea batatas catalyzes efficient production of 3,5-diCQA when expressed in Pichia pastoris. Communications Biology, 2020, 3, 673.	4.4	8
7	Genome-wide association study identifies favorable SNP alleles and candidate genes for frost tolerance in pea. BMC Genomics, 2020, 21, 536.	2.8	28
8	Chicory root flour â€“ A functional food with potential multiple health benefits evaluated in a mice model. Journal of Functional Foods, 2020, 74, 104174.	3.4	9
9	QTL mapping and successful introgression of the spring wheat-derived QTL Fhb1 for Fusarium head blight resistance in three European triticale populations. Theoretical and Applied Genetics, 2020, 133, 457-477.	3.6	27
10	Sexual reproduction of Zymoseptoria tritici on durum wheat in Tunisia revealed by presence of airborne inoculum, fruiting bodies and high levels of genetic diversity. Fungal Biology, 2019, 123, 763-772.	2.5	13
11	Efficient Genome Editing Using CRISPR/Cas9 Technology in Chicory. International Journal of Molecular Sciences, 2019, 20, 1155.	4.1	47
12	Whitened kernel surface: A fast and reliable method for assessing Fusarium severity on cereal grains by digital picture analysis. Plant Breeding, 2019, 138, 69-81.	1.9	7
13	Genetic Structure of <i>Zymoseptoria tritici</i> in Northern France at Region, Field, Plant, and Leaf Layer Scales. Phytopathology, 2018, 108, 1114-1123.	2.2	13
14	Trends in natural product research: PSE young scientistsâ€™ meeting Lille 2017. Phytochemistry Reviews, 2018, 17, 947-949.	6.5	0
15	A BAHD neofunctionalization promotes tetrahydroxycinnamoyl spermine accumulation in the pollen coats of the Asteraceae family. Journal of Experimental Botany, 2018, 69, 5355-5371.	4.8	12
16	Humulus lupulus L., a very popular beer ingredient and medicinal plant: overview of its phytochemistry, its bioactivity, and its biotechnology. Phytochemistry Reviews, 2018, 17, 1047-1090.	6.5	72
17	Chicory Roots for Prebiotics and Appetite Regulation: A Pilot Study in Mice. Journal of Agricultural and Food Chemistry, 2018, 66, 6439-6449.	5.2	17
18	Antifungal activity of hop extracts and compounds against the wheat pathogen Zymoseptoria tritici. Industrial Crops and Products, 2018, 122, 290-297.	5.2	52

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19	Identification and Characterization of Five BAHD Acyltransferases Involved in Hydroxycinnamoyl Ester Metabolism in Chicory. Frontiers in Plant Science, 2016, 7, 741.	3.6	50
20	Impact of Variety and Agronomic Factors on Crude Protein and Total Lysine in Chicory; <i>N</i>^{Îµ}-Carboxymethyl-lysine-Forming Potential during Drying and Roasting. Journal of Agricultural and Food Chemistry, 2015, 63, 10295-10302.	5.2	8
21	A method for genotyping elite breeding stocks of leaf chicory (Cichorium intybus L.) by assaying mapped microsatellite marker loci. BMC Research Notes, 2015, 8, 831.	1.4	17
22	Selection and validation of reference genes for quantitative real-time PCR analysis of gene expression in Cichorium intybus. Frontiers in Plant Science, 2015, 6, 651.	3.6	49
23	Effects of Nuclear Genomes on Anther Development in Cytoplasmic Male Sterile Chicories (Cichorium) Tj ETQq1 1 0.784314 rgBT /Ov	2.1	9
24	Phenolic Composition and Antioxidant and Antimicrobial Activities of Extracts Obtained from Crataegus azarolus L. var. aronia (Willd.) Batt. Ovaries Calli. Journal of Botany, 2014, 2014, 1-11.	1.2	27
25	A Method for the Simultaneous Determination of Chlorogenic Acid and Sesquiterpene Lactone Content in Industrial Chicory Root Foodstuffs. Scientific World Journal, The, 2014, 2014, 1-11.	2.1	26
26	Effects of variety, agronomic factors, and drying on the amount of free asparagine and crude protein in chicory. Correlation with the acrylamide formation during roasting. Food Research International, 2014, 63, 299-305.	6.2	29
27	Pretreatments, conditioned medium and co-culture increase the incidence of somatic embryogenesis of different Cichorium species. Plant Signaling and Behavior, 2012, 7, 121-131.	2.4	11
28	A â€œNovelâ€•Protocol for the Analysis of Hydroxycinnamic Acids in Leaf Tissue of Chicory (<i>Cichorium) Tj ETQq0 0 0 rgBT /Overlock	2.1	19
29	A proteomic approach to decipher chilling response from cold acclimation in pea (Pisum sativum L.). Plant Science, 2011, 180, 86-98.	3.6	75
30	Development of SSR markers and construction of a consensus genetic map for chicory (Cichorium) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	2.1	56
31	Identification of novel genes potentially involved in somatic embryogenesis in chicory (Cichorium) Tj ETQq1 1 0.784314 rgBT /Overlo	3.6	21
32	Review: Correlations between oxygen affinity and sequence classifications of plant hemoglobins. Biopolymers, 2009, 91, 1083-1096.	2.4	120
33	Callogenesis and rhizogenesis in date palm leaf segments: are there similarities between the two auxin-induced pathways?. Plant Cell, Tissue and Organ Culture, 2009, 98, 47-58.	2.3	20
34	Association of sugar content QTL and PQL with physiological traits relevant to frost damage resistance in pea under field and controlled conditions. Theoretical and Applied Genetics, 2009, 118, 1561-1571.	3.6	68
35	Phenolic profiles and antioxidative effects of hawthorn cell suspensions, fresh fruits, and medicinal dried parts. Food Chemistry, 2009, 115, 897-903.	8.2	79
36	Glutathione-S-transferase is Detected During Somatic Embryogenesis in Chicory. Plant Signaling and Behavior, 2007, 2, 343-348.	2.4	10

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37	Immunolocalization of Non-Symbiotic Hemoglobins During Somatic Embryogenesis in Chicory. Plant Signaling and Behavior, 2007, 2, 43-49.	2.4	21
38	Co-Localization of ÃŸ-1,3-Glucanases and Callose During Somatic Embryogenesis in Cichorium. Plant Signaling and Behavior, 2007, 2, 455-461.	2.4	13
39	Regeneration and molecular characterization of a male sterile interspecific somatic hybrid between Cichorium intybus and C. endivia. Plant Science, 2007, 172, 596-603.	3.6	9
40	Quantification of chicory root bitterness by an ELISA for 11Î²,13-dihydrolactucin. Food Chemistry, 2007, 105, 742-748.	8.2	12
41	Characterization of expressed sequence tags obtained by SSH during somatic embryogenesis in Cichorium intybus L. BMC Plant Biology, 2007, 7, 27.	3.6	36
42	Slow Ligand Binding Kinetics Dominate Ferrous Hexacoordinate Hemoglobin Reactivities and Reveal Differences between Plants and Other Speciesâ€. Biochemistry, 2006, 45, 561-570.	2.5	78
43	Endogenous trans-Acting siRNAs Regulate the Accumulation of Arabidopsis mRNAs. Molecular Cell, 2004, 16, 69-79.	9.7	742
44	Characterisation of cDNAs homologous to Rab5-GTP binding protein expressed during early somatic embryogenesis in chicory. Plant Science, 2002, 162, 413-422.	3.6	7
45	9-kDa acidic and basic nsLTP-like proteins are secreted in the culture-medium conditioned by somatic embryogenesis in Cichorium. Plant Physiology and Biochemistry, 2002, 40, 339-345.	5.8	10
46	Glycerol effects both carbohydrate metabolism and cytoskeletal rearrangements during the induction of somatic embryogenesis in chicory leaf tissues. Plant Physiology and Biochemistry, 2001, 39, 503-511.	5.8	13
47	A glutathione S-transferase cDNA identified by mRNA differential display is upregulated during somatic embryogenesis in Cichorium. Biochimica Et Biophysica Acta Gene Regulatory Mechanisms, 2001, 1522, 212-216.	2.4	39
48	Cloning of beta-1,3-glucanases expressed during Cichorium somatic embryogenesis. Plant Molecular Biology, 2000, 42, 377-386.	3.9	26
49	Arabinogalactan-proteins in Cichorium somatic embryogenesis: effect of Î²-glucosyl Yariv reagent and epitope localisation during embryo development. Planta, 2000, 211, 305-314.	3.2	96
50	Changes in lipid composition during somatic embryogenesis in leaves of Cichorium. Plant Science, 2000, 157, 165-172.	3.6	13
51	Removal of the fibrillar network surrounding Cichorium somatic embryos using cytoskeleton inhibitors: analysis of proteic components. Plant Science, 2000, 150, 103-114.	3.6	22
52	Cell wall differentiation during early somatic embryogenesis in plants. I. Scanning and transmission electron microscopy study on embryos originating from direct, indirect, and adventitious pathways. Canadian Journal of Botany, 2000, 78, 816-823.	1.1	6
53	Cell wall differentiation during early somatic embryogenesis in plants. II. Ultrastructural study and pectin immunolocalization on chicory embryos. Canadian Journal of Botany, 2000, 78, 824-831.	1.1	18
54	Three major somatic embryogenesis related proteins in Cichorium identified as PR proteins. Journal of Experimental Botany, 2000, 51, 1189-1200.	4.8	77

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55	Cell wall differentiation during early somatic embryogenesis in plants. I. Scanning and transmission electron microscopy study on embryos originating from direct, indirect, and adventitious pathways. Canadian Journal of Botany, 2000, 78, 816-823.	1.1	18
56	Cell wall differentiation during early somatic embryogenesis in plants. II. Ultrastructural study and pectin immunolocalization on chicory embryos. Canadian Journal of Botany, 2000, 78, 824-831.	1.1	22
57	A nonsymbiotic hemoglobin gene is expressed during somatic embryogenesis in Cichorium. Biochimica Et Biophysica Acta Gene Regulatory Mechanisms, 1998, 1443, 193-197.	2.4	31
58	Extracellular Î²-1,3-glucanases are induced during early somatic embryogenesis in Cichorium. Planta, 1998, 205, 56-63.	3.2	44
59	Inhibition of direct somatic embryogenesis by ?-difluoromethylarginine in a Cichorium hybrid: effects on polyamine content and protein patterns. Planta, 1995, 196, 571.	3.2	27
60	Polypeptides associated with the induction of direct somatic embryogenesis in Camellia japonica leaves I. Identification of embryo-specific polypeptides. Journal of Experimental Botany, 1995, 46, 1579-1584.	4.8	13
61	Stress proteins n the polychaete annelid Nereis diversicolor induced by heat shock or cadmium exposure. Biochimie, 1994, 76, 423-427.	2.6	20
62	Embryogenesis-related protein synthesis and accumulation during early acquisition of somatic embryogenesis competence in Cichorium. Plant Science, 1993, 93, 41-53.	3.6	25
63	Morphological, biochemical and molecular changes during ectomycorrhiza development. Experientia, 1991, 47, 321-331.	1.2	75
64	Ectomycorrhizin Synthesis and Polypeptide Changes during the Early Stage of Eucalypt Mycorrhiza Development. Plant Physiology, 1991, 97, 977-984.	4.8	114
65	An improved ergosterol assay to estimate fungal biomass in ectomycorrhizas. Mycological Research, 1990, 94, 1059-1064.	2.5	170
66	Protein changes and the presence of ectomycorrhiza-specific polypeptides in the Pisolithus-Eucalyptus symbiosis. Agriculture, Ecosystems and Environment, 1990, 28, 181-184.	5.3	3
67	Regulation of gene expression in ectomycorrhizas. I. Protein changes and the presence of ectomycorrhiza-specific polypeptides in the Pisolithus-Eucalyptus symbiosis. New Phytologist, 1988, 110, 339-346.	7.3	96
68	Changes in the pattern of protein synthesis during differentiation of the Ascomycete Sphaerostilbe repens. Physiologia Plantarum, 1986, 68, 403-409.	5.2	2